Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/24/2017 11:43 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124478	-1	1.62	124320	1.61
Blue	F	SSC	125000	123707	-2	3.47	124037	3.28
Blue	E	FITC	23355	22476	-4	2.46	1005	10.18
Blue	D	PE	28848	28219	-3	2.04	1013	9.72
Blue	B	PerCP-Cy5-5	47791	47210	-2	3.51	1350	16.33
Blue	A	PE-Cy7	41358	40353	-3	5.04	625	34.00
Red	C	APC	51316	50308	-2	2.80	2892	9.41
Red	A	APC-Cy7	53225	52238	-2	2.78	1085	11.11
Violet	B	V450	14473	13829	-5	3.43	665	9.13
Violet	A	V500	59973	58747	-3	3.21	2616	6.29

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19340	2.99	604	6	N/A	N/A	Pass
Blue	F	SSC	61692	1.80	534	0	N/A	N/A	Pass
Blue	E	FITC	111	38.83	539	-5	0.0210	144	Pass
Blue	D	PE	221	28.41	535	-3	0.1604	217	Pass
Blue	B	PerCP-Cy5-5	209	45.04	625	-5	0.0112	163	Pass
Blue	A	PE-Cy7	71	112.57	675	-6	0.0131	19	Pass
Red	C	APC	340	27.83	592	-2	0.0208	101	Pass
Red	A	APC-Cy7	119	40.30	571	-5	0.0057	1739	Pass
Violet	B	V450	81	44.04	476	5	0.0414	1942	Pass
Violet	A	V500	188	23.97	508	7	0.0132	521	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.17	-31.51	0.80
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	17.97	13.27 - 19.91	N/A	N/A	31.33	31.97	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9685

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments